

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 1998		2. REPORT TYPE		3. DATES COVERED 00-00-1998 to 00-00-1998	
4. TITLE AND SUBTITLE Student Support for ONR Contract #N000149410105				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) University of Miami,Rosenstiel School of Marine and Atmospheric Science,4600 Rickenbacker Causeway,Miami,FL,33149				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES See also ADM002252.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 2	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

Student Support for ONR Contract #N000149410105

Principal Investigator: Dr. Anthony J. Hynes
Division of Marine and Atmospheric Chemistry
Rosenstiel School of Marine and Atmospheric Science
University of Miami
4600 Rickenbacker Causeway
Miami, Florida 33149-1098
ahynes@rsmas.miami.edu
(305) 361 4173
N000149510807
<http://www.rsmas.miami.edu/people/ahynes.html>

LONG-TERM GOALS

This grant provides support for graduate and undergraduate students to participate in research activities on the project "Kinetics, Mechanism And Product Yields In The Atmospheric Oxidation Of Dimethylsulfide ". A description of the goals of this project are described in a report on project #N000149510242.

OBJECTIVES

A description of the objectives of this project are described in a report on project #N000149510242.

APPROACH

A description of the experimental approaches used in this project are described in a report on project #N000149510242.

WORK COMPLETED

This grant initially supported Athanasios Nenes as a first year graduate student. First year students at RSMAS focus primarily on course work. During this period Mr. Nenes decided to pursue modelling rather than experimental work. He completed a masters degree under the supervision of Dr C. Pillinis and has left RSMAS. His thesis is entitled "Thermodynamic Modeling of Atmospheric Aerosols". A paper describing his work, "ISORROPIA: A New Thermodynamic Equilibrium Model for Multiphase Multi-Component Inorganic Aerosols" has been published and acknowledges ASSERT support. A new graduate student Ms. Margaret Williams has now joined us and has been supported by the grant for her first year. Several undergraduate students have also been supported on the grant.

RESULTS

A description of the results obtained are described in a report on project #N000149510242.

IMPACT

A description of the impact of this project is described in a report on project #N000149510242.

TRANSITIONS

The potential implications of this work are described in a report on project #N000149510242.

RELATED PROJECTS

"Kinetics, Mechanism And Product Yields In The Atmospheric Oxidation Of Dimethylsulfide " , originally funded as #N000149410105 and continued as #N000149510242.

PUBLICATIONS

A. Nenes, Thermodynamic Modeling of Atmospheric Aerosols, M.Sc. Thesis, University of Miami, 1997

A. Nenes, S. Pandis and C. Pillinis, ISORROPIA: A New Thermodynamic Equilibrium Model for Multiphase Multi-Component Inorganic Aerosols, Aquatic Geochemistry, **4**, 123-152,